

Title (en)
ELASTIC INORGANIC-ORGANIC HYBRID FOAM

Title (de)
ELASTISCHER ANORGANISCH-ORGANISCHER HYBRIDSCHAUMSTOFF

Title (fr)
MOUSSE HYBRIDE INORGANIQUE-ORGANIQUE ÉLASTIQUE

Publication
EP 2493833 B1 20140326 (DE)

Application
EP 10773283 A 20101022

Priority
• EP 09174186 A 20091027
• EP 2010065926 W 20101022
• EP 10773283 A 20101022

Abstract (en)
[origin: WO2011051170A1] The invention relates to a method for producing an elastic foam by means of foaming a mixture comprising 50 to 97 wt % of an aqueous dispersion A) of SiO₂ particles having an average particle diameter in the range of 1 to 100 nm, 1 to 45 wt % of a polymer dissolved in water, B) 1 to 50 wt % of a propellant, C) 1 to 5 wt % of an emulsifier, D) 0 to 5 wt % of a cross-linking agent capable of reacting with the polymer B), and the foam that can be obtained by means of the method, and to the use thereof.

IPC 8 full level
C04B 38/02 (2006.01)

CPC (source: EP US)
C04B 38/02 (2013.01 - EP US); **C04B 2103/0062** (2013.01 - EP US); **C04B 2111/28** (2013.01 - EP US); **C04B 2111/52** (2013.01 - EP US); **Y02W 30/91** (2015.05 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2011051170 A1 20110505; CA 2778653 A1 20110505; CA 2778653 C 20170103; CN 102596854 A 20120718; CN 102596854 B 20140924; DK 2493833 T3 20140616; EP 2493833 A1 20120905; EP 2493833 B1 20140326; ES 2461620 T3 20140520; JP 2013508524 A 20130307; JP 5678076 B2 20150225; KR 101814833 B1 20180104; KR 20120101409 A 20120913; PL 2493833 T3 20140829; RU 2012121575 A 20131210; RU 2543007 C2 20150227; SI 2493833 T1 20140530; UA 105403 C2 20140512; US 2012208910 A1 20120816; US 8822557 B2 20140902

DOCDB simple family (application)
EP 2010065926 W 20101022; CA 2778653 A 20101022; CN 201080048774 A 20101022; DK 10773283 T 20101022; EP 10773283 A 20101022; ES 10773283 T 20101022; JP 2012535752 A 20101022; KR 20127013577 A 20101022; PL 10773283 T 20101022; RU 2012121575 A 20101022; SI 201030578 T 20101022; UA A201206354 A 20101022; US 201013503385 A 20101022